

Author Index

- Abrunhosa, L., see Serra, R. 41
- Absalon, C., see Vivas, N. 247
- Afifi, M.
—, Monje, M.-C., Legrand, V., Roustan, J.-P. and Nepveu, F.
Metabolisation of eutypine by plant tissues: an HPLC determination 21
- Afonso, C.M.M., see Teixeira, M.J. 333
- Aguiar, A., see Teixeira, M.J. 333
- Aguiar, A., see Varandas, S. 351
- Alamo Sanza, M.
—, Nevares Domínguez, I., Cárcel Cárcel, L.M. Navas Gracia, L. and Guimarães, A.C.
Analysis for low molecular weight phenolic compounds in a red wine aged in oak chips 229
- Alcalde-Eon, C.
—, Escribano-Bailón, M.T., Santos-Buelga, C. and Rivas-Gonzalo, J.C.
Separation of pyranoanthocyanins from red wine by column chromatography 305
- Alves, A., see Ratola, N. 319
- Alves, A., see Teixeira, M.J. 333
- Alves, A., see Varandas, S. 351
- Alves, M.A., see Câmara, J.S. 203
- Amaral, A.J., see Oliveira, J.M. 269
- Andrenšek, S., see Košir, I.J. 277
- Anticó, E., see Juanola, R. 291
- Araújo, I.M., see Oliveira, J.M. 269
- Atanasova, V., see Salas, E. 325
- Ayestarán, B.
—, Guadalupe, Z. and León, D.
Quantification of major grape polysaccharides (*Tempranillo* v.) released by maceration enzymes during the fermentation process 29
- Bagheri, H.
—, Mohammadi, A. and Salemi, A.
On-line trace enrichment of phenolic compounds from water using a pyrrole-based polymer as the solid-phase extraction sorbent coupled with high-performance liquid chromatography 445
- Bala, C., see Rotariu, L. 119
- Balado, J., see González-Neves, G. 191
- Barreiro, L., see González-Neves, G. 191, 197
- Barroso, C.G., see Castro, R. 141
- Barroso, C.G., see Piñeiro, Z. 209
- Bastos, M.M.S.M., see Teixeira, M.J. 333
- Bastos, M.M.S.M., see Varandas, S. 351
- Baumbach, J.I., see Vautz, W. 393
- Baumes, R., see Schneider, R. 91
- Belchior, A.P., see Caldeira, I. 125
- Benitez, P., see Castro, R. 141
- Benítez, B., see Tesfaye, W. 239
- Bertrand, A., see Vivas, N. 247
- Blieke, A., see Patz, C.-D. 81
- Bochicchio, R., see González-Neves, G. 191
- Bruno de Sousa, R., see Caldeira, I. 125
- Burgio, M., see Di Natale, C. 49
- Caldeira, I.
—, Pereira, R., Cristina Clímaco, M., Belchior, A.P. and Bruno de Sousa, R.
Improved method for extraction of aroma compounds in aged brandies and aqueous alcoholic wood extracts using ultrasound 125
- Câmara, J.S.
—, Herbert, P., Marques, J.C. and Alves, M.A.
Varietal flavour compounds of four grape varieties producing Madeira wines 203
- Campíns-Falcó, P., see Herráez-Hernández, R. 425
- Cao, X.-D.
—, Fang, Q. and Fang, Z.-L.
Miniaturized capillary electrophoresis system with ultraviolet photometric detection combined with flow injection sample introduction using a modified falling-drop interface 473
- Carbonneau, A., see González-Neves, G. 191, 197
- Cárcel Cárcel, L.M., see Alamo Sanza, M. 229
- Carvalho, E.
—, Mateus, N. and de Freitas, V.
Flow nephelometric analysis of protein–tannin interactions 97
- Carvalho, E., see Mateus, N. 135
- Castellote, A.I., see Romeu-Nadal, M. 457
- Castro, R.
—, Natera, R., Benitez, P. and Barroso, C.G.
Comparative analysis of volatile compounds of ‘fino’ sherry wine by rotatory and continuous liquid–liquid extraction and solid-phase micro-extraction in conjunction with gas chromatography–mass spectrometry 141
- Cháfer-Pericás, C., see Herráez-Hernández, R. 425
- Charamelo, D., see González-Neves, G. 191
- Charrier, F., see Schneider, R. 91
- Chen, S., see Zhang, Z. 417
- Cheynier, V., see Salas, E. 325
- Cheynier, V., see Vidal, S. 57
- Clímaco, M. Cristina, see Caldeira, I. 125
- Coimbra, M.A., see Rocha, S.M. 257
- Compagnone, D., see Esti, M. 357
- Compagnone, D., see Lupu, A. 67
- Conceição Leandro, M., see Isabel Spranger, M. 151
- Coutinho, P., see Rocha, S.M. 257
- Cozzolino, D.
—, Kwiatkowski, M.J., Parker, M., Cynkar, W.U., Damberg, R.G., Gishen, M. and Herderich, M.J.
Prediction of phenolic compounds in red wine fermentations by visible and near infrared spectroscopy 73
- Cristina Clímaco, M., see Isabel Spranger, M. 151
- Cynkar, W.U., see Cozzolino, D. 73
- Da, S.-L., see He, H.-B. 481
- Damberg, R.G., see Cozzolino, D. 73
- D’Amico, A., see Di Natale, C. 49
- de Freitas, V., see Carvalho, E. 97
- de Freitas, V., see Mateus, N. 135
- De Freitas, V., see Pissarra, J. 215
- de Gaulejac, N.V., see Vivas, N. 247

- de la Guardia, M., see Iñón, F.A. 401
- Deep, A., see Gupta, B. 463
- Delgadillo, I.
—, Ducauze, C.J. and Rutledge, D.N.
IN VINO ANALYTICA SCIENTIA 2003 1
- Delgadillo, I., see Rocha, S.M. 257
- Delibato, E., see Esti, M. 357
- Dewey, F.M.
— and Meyer, U.
Rapid, quantitative Tube immunoassays for on-site detection of *Botrytis*, *Aspergillus* and *Penicillium* antigens in grape juice 11
- Di Natale, C.
—, Paolesse, R., Burgio, M., Martinelli, E., Pennazza, G. and D'Amico, A.
Application of metalloporphyrins-based gas and liquid sensor arrays to the analysis of red wine 49
- Dietrich, H., see Patz, C.-D. 81
- Duarte, A.C., see Esteves, V.I. 163
- Ducauze, C.J., see Delgadillo, I. 1
- Eiriz, N., see Isabel Spranger, M. 151
- Escribano-Bailón, M.T., see Alcalde-Eon, C. 305
- Esteves, V.I.
—, Lima, S.S.F., Lima, D.L.D. and Duarte, A.C.
Using capillary electrophoresis for the determination of organic acids in Port wine 163
- Esti, M., see Tamborra, P. 299
- Esti, M.
—, Volpe, G., Micheli, L., Delibato, E., Compagnone, D., Moscone, D. and Palleschi, G.
Electrochemical biosensors for monitoring malolactic fermentation in red wine using two strains of *Oenococcus oeni* 357
- Eversole, J., see Peter Snyder, A. 365
- Fang, Q., see Cao, X.-D. 473
- Fang, Z.-L., see Cao, X.-D. 473
- Farines, V.
—, Monje, M.-C., Telo, J.P., Hnawia, E., Sauvain, M. and Nepveu, F.
Polyphenols as superoxide dismutase modulators and ligands for estrogen receptors 103
- Feng, Y.-Q., see He, H.-B. 481
- Fernández-Pachón, M.S.
—, Villaño, D., García-Parrilla, M.C. and Troncoso, A.M.
Antioxidant activity of wines and relation with their polyphenolic composition 113
- Ferrer, M., see González-Neves, G. 197
- Fortunato, C., see Isabel Spranger, M. 151
- Francis, L., see Vidal, S. 57
- Franco, J., see González-Neves, G. 197
- García-Parrilla, M.C., see Fernández-Pachón, M.S. 113
- García-Parrilla, M.C., see Tesfaye, W. 239
- Garcia Regueiro, J.A., see Juanola, R. 291
- Garrigues, S., see Iñón, F.A. 401
- Gatto, G., see González-Neves, G. 191
- Gil, G., see González-Neves, G. 191, 197
- Gishen, M., see Cozzolino, D. 73
- González-Huerta, C., see Ortega-Heras, M. 341
- González-Manzano, S.
—, Rivas-Gonzalo, J.C. and Santos-Buelga, C.
Extraction of flavan-3-ols from grape seed and skin into wine using simulated maceration 283
- González-Neves, G.
—, Barreiro, L., Gil, G., Franco, J., Ferrer, M., Moutounet, M. and Carbonneau, A.
Anthocyanic composition of Tannat grapes from the south region of Uruguay 197
- González-Neves, G.
—, Charamelo, D., Balado, J., Barreiro, L., Bochicchio, R., Gatto, G., Gil, G., Tessore, A., Carbonneau, A. and Moutounet, M.
Phenolic potential of Tannat, Cabernet-Sauvignon and Merlot grapes and their correspondence with wine composition 191
- González-Paramás, A.M., see Pissarra, J. 215
- González-Sanjosé, M.L., see Ortega-Heras, M. 341
- Guadalupe, Z., see Ayestarán, B. 29
- Guedes de Pinho, P., see Moreira, N. 183
- Guedes de Pinho, P., see Silva Ferreira, A.C. 169
- Guerrero, L., see Juanola, R. 291
- Guimarães, A.C., see Alamo Sanza, M. 229
- Gupta, B.
—, Deep, A. and Malik, P.
Liquid-liquid extraction and recovery of indium using Cyanex 923 463
- He, H.-B.
—, Zhang, W.-N., Da, S.-L. and Feng, Y.-Q.
Preparation and characterization of a magnesia-zirconia stationary phase modified with β -cyclodextrin for reversed-phase high-performance liquid chromatography 481
- Herbert, P., see Câmara, J.S. 203
- Herderich, M.J., see Cozzolino, D. 73
- Herráez-Hernández, R.
—, Cháfer-Pericás, C. and Campíns-Falcó, P.
Analysis of methylamine by solid-phase microextraction and HPLC after on-fibre derivatization with 9-fluorenylmethyl chloroformate 425
- Herrera, P., see Ortega-Heras, M. 341
- Hnawia, E., see Farines, V. 103
- Ho, J., see Peter Snyder, A. 365
- Iñón, F.A.
—, Garrigues, S. and de la Guardia, M.
Nutritional parameters of commercially available milk samples by FTIR and chemometric techniques 401
- Insa, S., see Juanola, R. 291
- Isabel Spranger, M.
—, Cristina Clímaco, M., Sun, B., Eiriz, N., Fortunato, C., Nunes, A., Conceição Leandro, M., Luísa Avelar, M. and Pedro Belchior, A.
Differentiation of red winemaking technologies by phenolic and volatile composition 151
- Jiao, C.-X., see Yang, Y. 385
- Juanola, R.
—, Guerrero, L., Subirà, D., Salvadó, V., Insa, S., Garcia Regueiro, J.A. and Anticó, E.
Relationship between sensory and instrumental analysis of 2,4,6-trichloroanisole in wine and cork stoppers 291
- Kerényi, Z., see Miklósy, E. 177
- Kidrič, J., see Košir, I.J. 277
- Kim, I.S., see Shen, J.Y. 451
- Kim, M.R., see Shen, J.Y. 451
- Košir, I.J.
—, Lapornik, B., Andrenšek, S., Wondra, A.G., Vrhovšek, U. and Kidrič, J.
Identification of anthocyanins in wines by liquid chromatography, liquid chromatography-mass spectrometry and nuclear magnetic resonance 277
- Kubáň, V., see Štěrbová, D. 435
- Kwiatkowski, M., see Vidal, S. 57
- Kwiatkowski, M.J., see Cozzolino, D. 73
- Lapornik, B., see Košir, I.J. 277
- Lee, C.J., see Shen, J.Y. 451

- Lee, G.-C.
— and Woodruff, D.L.
Beam search for peak alignment of NMR signals 413
- Lee, K.B., see Shen, J.Y. 451
- Legrand, V., see Afifi, M. 21
- Lei, C.-X.
—, Yang, Y., Wang, H., Shen, G.-L. and Yu, R.-Q.
Amperometric immunosensor for probing complement III (C₃) based on immobilizing C₃ antibody to a nano-Au monolayer supported by sol-gel-derived carbon ceramic electrode 379
- León, D., see Ayestarán, B. 29
- Lima, D.L.D., see Esteves, V.I. 163
- Lima, J.L.F.C., see Segundo, M.A. 3
- Lima, S.S.F., see Esteves, V.I. 163
- Liu, W., see Zhang, Z. 417
- Liu, Z.-M., see Yang, Y. 385
- López-Sabater, M.C., see Romeu-Nadal, M. 457
- Lourenço, S., see Pissarra, J. 215
- Lucchese, Y., see Prouteau, C. 223
- Lupu, A.
—, Compagnone, D. and Palleschi, G.
Screen-printed enzyme electrodes for the detection of marker analytes during winemaking 67
- Luís, C., see Mateus, N. 135
- Luísa Avelar, M., see Isabel Spranger, M. 151
- Magearu, V., see Rotariu, L. 119
- Maia, J.S., see Oliveira, J.M. 269
- Malik, P., see Gupta, B. 463
- Marques, J.C., see Câmara, J.S. 203
- Marques, J.C., see Varandas, S. 351
- Martinelli, E., see Di Natale, C. 49
- Martino, N., see Tamborra, P. 299
- Martins, L., see Ratola, N. 319
- Maswadeh, W.M., see Peter Snyder, A. 365
- Matějček, D., see Štěrbová, D. 435
- Mateus, N.
—, Carvalho, E., Luís, C. and de Freitas, V.
Influence of the tannin structure on the disruption effect of carbohydrates on protein-tannin aggregates 135
- Mateus, N., see Carvalho, E. 97
- Mateus, N., see Pissarra, J. 215
- Mazauric, J.P., see Salas, E. 325
- Mendonça, C., see Serra, R. 41
- Meudec, E., see Salas, E. 325
- Meyer, U., see Dewey, F.M. 11
- Micheli, L., see Esti, M. 357
- Miklósy, E.
— and Kerényi, Z.
Comparison of the volatile aroma components in noble rotted grape berries from two different locations of the Tokaj wine district in Hungary 177
- Mirabel, M., see Vivas, N. 247
- Mohammadi, A., see Bagheri, H. 445
- Monje, M.-C., see Afifi, M. 21
- Monje, M.-C., see Farines, V. 103
- Morales, M.L., see Tesfaye, W. 239
- Moreira, J.L.
— and Santos, L.
Spectroscopic interferences in Fourier transform infrared wine analysis 263
- Moreira, N.
—, Guedes de Pinho, P. and Vasconcelos, I.
Method for analysis of heavy sulphur compounds using gas chromatography with flame photometric detection 183
- Morera-Pons, S., see Romeu-Nadal, M. 457
- Mosccone, D., see Esti, M. 357
- Moutounet, M., see González-Neves, G. 191, 197
- Moutounet, M., see Schneider, R. 91
- Natera, R., see Castro, R. 141
- Navas Gracia, L., see Alamo Sanza, M. 229
- Nepveu, F., see Afifi, M. 21
- Nepveu, F., see Farines, V. 103
- Nepveu, F., see Prouteau, C. 223
- Nevares Domínguez, I., see Alamo Sanza, M. 229
- Noble, A., see Vidal, S. 57
- Nonier, M.-F., see Vivas, N. 247
- Nunes, A., see Isabel Spranger, M. 151
- Odete Maia, M., see Oliveira, J.M. 269
- Oliveira, J.M.
—, Araújo, I.M., Pereira, O.M., Maia, J.S., Amaral, A.J. and Odete Maia, M.
Characterization and differentiation of five “*Vinhos Verdes*” grape varieties on the basis of monoterpenic compounds 269
- Ortega-Heras, M.
—, González-Huerta, C., Herrera, P. and González-Sanjosé, M.L.
Changes in wine volatile compounds of varietal wines during ageing in wood barrels 341
- Palleschi, G., see Esti, M. 357
- Palleschi, G., see Lupu, A. 67
- Palma, M., see Piñeiro, Z. 209
- Paolesse, R., see Di Natale, C. 49
- Parker, M., see Cozzolino, D. 73
- Patz, C.-D.
—, Blieke, A., Ristow, R. and Dietrich, H.
Application of FT-MIR spectrometry in wine analysis 81
- Pedro Belchior, A., see Isabel Spranger, M. 151
- Pennazza, G., see Di Natale, C. 49
- Pereira, O.M., see Oliveira, J.M. 269
- Pereira, R., see Caldeira, I. 125
- Peter Snyder, A.
—, Maswadeh, W.M., Tripathi, A., Eversole, J., Ho, J. and Spence, M.
Orthogonal analysis of mass and spectral based technologies for the field detection of bioaerosols 365
- Pietri, A., see Serra, R. 41
- Piñeiro, Z.
—, Palma, M. and Barroso, C.G.
Determination of terpenoids in wines by solid phase extraction and gas chromatography 209
- Pissarra, J.
—, Lourenço, S., González-Paramás, A.M., Mateus, N., Santos-Buelga, C. and De Freitas, V.
Formation of new anthocyanin-alkyl/aryl-flavanol pigments in model solutions 215
- Poncet-Legrand, C., see Salas, E. 325
- Prouteau, C.
—, Schneider, R., Lucchese, Y., Nepveu, F., Renard, R. and Vaca-Garcia, C.
Improving headspace-solid-phase microextraction of 3-isobutyl-2-methoxypyrazine by experimental design with regard to stable isotope dilution gas chromatography-mass spectrometric analysis of wine 223
- Rangel, A.O.S.S., see Segundo, M.A. 3
- Ratola, N.
—, Martins, L. and Alves, A.
Ochratoxin A in wines-assessing global uncertainty associated with the results 319
- Renard, R., see Prouteau, C. 223
- Ristow, R., see Patz, C.-D. 81
- Rivas-Gonzalo, J.C., see Alcalde-Eon, C. 305

- Rivas-Gonzalo, J.C., see González-Manzano, S. 283
- Rocha, S.M.
—, Rodrigues, F., Coutinho, P., Delgadillo, I. and Coimbra, M.A.
Volatile composition of Baga red wine. Assessment of the identification of the would-be impact odourants 257
- Rodrigues, F., see Rocha, S.M. 257
- Romeu-Nadal, M.
—, Morera-Pons, S., Castellote, A.I. and López-Sabater, M.C.
Comparison of two methods for the extraction of fat from human milk 457
- Rotariu, L.
—, Bala, C. and Magearu, V.
New potentiometric microbial biosensor for ethanol determination in alcoholic beverages 119
- Roustan, J.-P., see Afifi, M. 21
- Rutledge, D.N., see Delgadillo, I. 1
- Salas, E.
—, Atanasova, V., Poncet-Legrand, C., Meudec, E., Mazauric, J.P. and Cheynier, V.
Demonstration of the occurrence of flavanol-anthocyanin adducts in wine and in model solutions 325
- Salemi, A., see Bagheri, H. 445
- Salvadó, V., see Juanola, R. 291
- Santos, L., see Moreira, J.L. 263
- Santos-Buelga, C., see Alcalde-Eon, C. 305
- Santos-Buelga, C., see González-Manzano, S. 283
- Santos-Buelga, C., see Pissarra, J. 215
- Sauvain, M., see Farines, V. 103
- Schneider, R.
—, Charrier, F., Moutounet, M. and Baumes, R.
Rapid analysis of grape aroma glycoconjugates using Fourier-transform infrared spectrometry and chemometric techniques 91
- Schneider, R., see Prouteau, C. 223
- Segundo, M.A.
—, Lima, J.L.F.C. and Rangel, A.O.S.S.
Automatic flow systems based on sequential injection analysis for routine determinations in wines 3
- Serra, R.
—, Mendonça, C., Abrunhosa, L., Pietri, A. and Venâncio, A.
Determination of ochratoxin A in wine grapes: comparison of extraction procedures and method validation 41
- Shen, G.-L., see Lei, C.-X. 379
- Shen, G.-L., see Yang, Y. 385
- Shen, J.Y.
—, Kim, M.R., Lee, C.J., Kim, I.S., Lee, K.B. and Shim, J.H.
Supercritical fluid extraction of the fluoroquinolones norfloxacin and ofloxacin from orally treated-chicken breast muscles 451
- Shim, J.H., see Shen, J.Y. 451
- Sielemann, S., see Vautz, W. 393
- Silva Ferreira, A.C.
— and Guedes de Pinho, P.
Nor-isoprenoids profile during port wine ageing—influence of some technological parameters 169
- Spence, M., see Peter Snyder, A. 365
- Štěrbová, D.
—, Matějček, D., Vlček, J. and Kubáň, V.
Combined microwave-assisted isolation and solid-phase purification procedures prior to the chromatographic determination of phenolic compounds in plant materials 435
- Subirà, D., see Juanola, R. 291
- Sun, B., see Isabel Spranger, M. 151
- Sun, M., see Zhang, Z. 417
- Tamborra, P.
—, Martino, N. and Esti, M.
Laboratory tests on glycosidase preparations in wine 299
- Teixeira, M.J.
—, Aguiar, A., Afonso, C.M.M., Alves, A. and Bastos, M.M.S.M.
Comparison of pesticides levels in grape skin and in the whole grape by a new liquid chromatographic multiresidue methodology 333
- Teixeira, M.J., see Varandas, S. 351
- Telo, J.P., see Farines, V. 103
- Tesfaye, W.
—, Morales, M.L., Benítez, B., García-Parrilla, M.C. and Troncoso, A.M.
Evolution of wine vinegar composition during accelerated aging with oak chips 239
- Tessore, A., see González-Neves, G. 191
- Tripathi, A., see Peter Snyder, A. 365
- Troncoso, A.M., see Fernández-Pachón, M.S. 113
- Troncoso, A.M., see Tesfaye, W. 239
- Vaca-Garcia, C., see Prouteau, C. 223
- Varandas, S.
—, Teixeira, M.J., Marques, J.C., Aguiar, A., Alves, A. and Bastos, M.M.S.M.
Glucose and fructose levels on grape skin: interference in *Lobesia botrana* behaviour 351
- Vasconcelos, I., see Moreira, N. 183
- Vautz, W.
—, Sielemann, S. and Baumbach, J.I.
Determination of terpenes in humid ambient air using ultraviolet ion mobility spectrometry 393
- Venâncio, A., see Serra, R. 41
- Vidal, S.
—, Francis, L., Noble, A., Kwiatkowski, M., Cheynier, V. and Waters, E.
Taste and mouth-feel properties of different types of tannin-like polyphenolic compounds and anthocyanins in wine 57
- Villaño, D., see Fernández-Pachón, M.S. 113
- Vivas, N.
—, Nonier, M.-F., de Gaulejac, N.V., Absalon, C., Bertrand, A. and Mirabel, M.
Differentiation of proanthocyanidin tannins from seeds, skins and stems of grapes (*Vitis vinifera*) and heartwood of Quebracho (*Schinopsis balansae*) by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry and thioacidolysis/liquid chromatography/electrospray ionization mass spectrometry 247
- Vlček, J., see Štěrbová, D. 435
- Volpe, G., see Esti, M. 357
- Vrhovšek, U., see Košir, I.J. 277
- Wang, H., see Lei, C.-X. 379
- Waters, E., see Vidal, S. 57
- Wondra, A.G., see Košir, I.J. 277
- Woodruff, D.L., see Lee, G.-C. 413
- Yang, H.-F., see Yang, Y. 385
- Yang, X., see Yang, Y. 385
- Yang, Y., see Lei, C.-X. 379
- Yang, Y.
—, Yang, X., Jiao, C.-X., Yang, H.-F., Liu, Z.-M., Shen, G.-L. and Yu, R.-Q.
Optical sensor for berberine utilizing its intrinsic fluorescence enhanced by the formation of inclusion complex with butylated- β -cyclodextrin 385
- Yu, H., see Zhang, Z. 417
- Yu, R.-Q., see Lei, C.-X. 379
- Yu, R.-Q., see Yang, Y. 385
- Zhang, W.-N., see He, H.-B. 481
- Zhang, Z.
—, Chen, S., Yu, H., Sun, M. and Liu, W.
Simultaneous determination of arsenic, selenium, and mercury by Ion exchange-vapor generation-inductively coupled plasma-mass spectrometry 417

Vol. 513

Iss. 1

JUN 18

2004